

Navy Case No.: 84,512
301-227-1835
West Bethesda, MD

5

ABSTRACT OF THE DISCLOSURE

An unmanned hydroplaning water surface vehicle having a gondola housing with external lift and control foils that allow the unmanned surface vehicle to provide lift and control in water at sufficient speed. A superstructure trimaran hull serves as a stable operation platform during low speed maneuvers or at rest. The superstructure includes command and control systems capable of remote, semi-autonomous or fully autonomous control and navigation and vehicle attitude control systems. A plurality of mission specific payloads and sensors are dispersed in the superstructure and gondola to allow for various types of missions. A strut would connect the gondola section and the superstructure, as well as provide for the passage of a plurality of transmission and control lines.